

4.3 Greenhouse Gas Control and Energy Management



(1) Policies/Commitments

- Aligned with the GHG Protocol standards and the ISO 50001 Energy Management System, the Company has established a comprehensive framework for greenhouse gas (GHG) inventory, as well as energy conservation and carbon reduction disclosures. This framework enables systematic monitoring of GHG emissions and reduction performance, providing a solid foundation for developing and implementing feasible reduction strategies in the future.

(2) Targets

	2024 Goal and Actual Performance	Short-term Goal (1-3 years)	Medium-term Goal (3-10 years, till 2030)	Long-term Goal (>10 years, till 2050)
Greenhouse Gas Reduction Targets	<ul style="list-style-type: none"> Reduce the emissions of Scope 1 and Scope 2 greenhouse gas by 11.55% compared to the level in 2022; reduce the Scope 3 emissions by 6.88% compared to the level in 2022. Save annual electricity by over 1% across all Taiwan facilities. <p>Phase reduction targets achieved ✓</p> <p>Goals achieved ✓</p>	<ul style="list-style-type: none"> Reduce the emissions of Scope 1 and Scope 2 greenhouse gas by at least 5.78% annually compared to the level in 2022; reduce the Scope 3 emissions by at least 3.44% annually compared to the level in 2022. Save annual electricity by over 1.5% across all Taiwan facilities. 	<ul style="list-style-type: none"> Reduce the emissions of Scope 1 and Scope 2 greenhouse gas by 46.2% compared to the level in 2022; reduce the Scope 3 emissions by 27.5% compared to the level in 2022. Increase the use of renewable energy across the Group, aiming to reach a target of RE60 by 2030. 	<ul style="list-style-type: none"> Net zero emissions

(3) Responsibilities

- Pursuant to the Company's internal operational management procedures, the Environmental Protection Department is designated to lead, coordinate, and monitor the implementation status across relevant departments.

(4) Resources

- Dedicated personnel for public works, energy conservation and carbon reduction equipment and projects, and education and training.

(5) Grievance Mechanisms

- Channels for public grievances and employee complaints.

(6) Specific Actions Taken for the Year

Through various conservation measures, the Company enhances electricity efficiency in its facilities to achieve energy savings and carbon reduction; energy-efficient facilities continue to be implemented.





Greenhouse Gas Strategies and Management

Catcher recognizes the potential environmental impacts associated with energy consumption and greenhouse gas (GHG) emissions. Guided by the principles of sustainable operations and corporate social responsibility, the Company continues to manage its energy consumption and has proactively conducted GHG inventories since 2015. These inventories enable effective monitoring of emissions within facilities and the identification of reduction opportunities at the source, thereby strengthening the Company's energy and GHG management policies.

Catcher also participated as an initial investor in a Clean Energy Fund to support the development of the renewable energy industry. Each facility has established a dedicated GHG inventory task force, with the Chairman serving as the convener to oversee and coordinate inventory and management efforts. GHG emissions are calculated in accordance with the GHG Protocol standards and the guidelines of Taiwan's Environmental Protection Administration, using the operational control approach. Implementation results are reported to the Board of Directors on a quarterly basis.

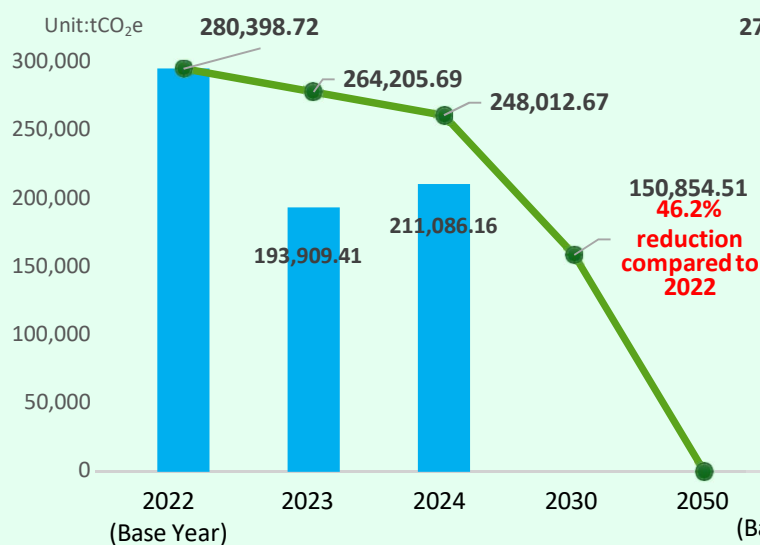
In terms of reduction targets and strategic planning, Catcher submitted its commitment letter to the Science Based Targets initiative (SBTi) in September 2024 and obtained approval in February 2025. Following the SBTi criteria, with 2022 as the base year, Catcher has set Near-term Targets to reduce absolute Scope 1 and Scope 2 GHG emissions by 46.2% and Scope 3 GHG emissions by 27.5% by 2030. For the Long-term Target, Catcher commits to reducing absolute Scope 1, Scope 2, and Scope 3 GHG emissions by 90% by 2050.

In the reporting year, the Catcher Group's combined Scope 1 direct GHG emissions and Scope 2 indirect GHG emissions amounted to 211,086.16 metric tons of CO₂e. The Group achieved an interim reduction of more than 11.55% toward its SBTi-aligned reduction target, with a GHG emissions intensity of 11.67 (metric tons CO₂e per NT\$ million in revenue). Scope 3 GHG emissions amounted to 180,993.86 metric tons of CO₂e, achieving an interim reduction of more than 6.88%. The disclosures are as follows:

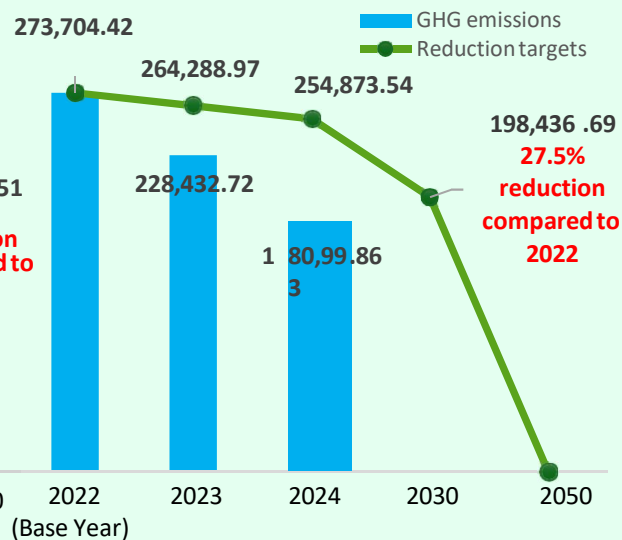


Statistics of Greenhouse Gas Emission

Scope 1 and 2 Emissions Reduction Targets and Performance



Scope 3 Emissions Reduction Targets and Performance





Statistics of Greenhouse Gas Emission

Unit: tCO₂e

Year	2022 (Baseline year)	2023	2024
Scope 1	38,354.47	27,845.17	29,981.11
Scope 2	257,507.68 (Location-based) 242,044.25 (Market-based)	166,064.24 (Market-based)	181,105.05 (Market-based)
Scope 3	273,704.42	228,432.73	180,993.86
Total Emissions	569,566.57 (Location-based) 554,103.14 (Market-based) (Consistent with the SBTi verification results)	422,342.14 (Consistent with the SBTi verification results)	392,080.02 (Southern Taiwan Science Park facility verified by a third party)

Note: The statistical scope encompasses the Group's greenhouse gas emissions, with 2022 and 2023 figures disclosed in accordance with SBTi audit results.

Scope 3 (GHG Protocol) Item	Emissions (tCO ₂ e)	Scope 3 (GHG Protocol) Item	Emissions (tCO ₂ e)
Category 1: Purchased goods and services	130,195.13	Category 9: Downstream transportation and distribution	2,561.15
Category 2: Capital goods	9,783.94	Category 10: Processing of sold products	4,002.54
Category 3: Fuel- and energy-related activities (not included in Scope 1 or 2)	25,709.93	Category 11: Use of sold products	-
Category 4: Upstream transportation and distribution	328.11	Category 12: End-of-life treatment of sold products	234.59
Category 5: Waste generated from operations	2,450.69	Category 13: Downstream leased assets	232.77
Category 6: Business travel	29.26	Category 14: Franchises	-
Category 7: Employee commuting	2,359.23	Category 15: Investments	2,940.58
Category 8: Upstream leased assets	165.94		





Greenhouse Gas Reduction Strategies, and Specific Action Plans

1. Establish solar power generation facilities to enhance the proportion of renewable energy utilization.
2. Implement various energy-saving measures and enhance electricity usage efficiency, including the utilization of energy monitoring and management systems, automation equipment, and the adoption of variable frequency drive motors.
3. "Implement a green procurement system to enhance the utilization of low-carbon and recycled raw materials, foster the development of low-carbon technologies, and prioritize the acquisition of environmentally friendly and energy-efficient equipment."
4. Enhance water resource reuse efficiency through several initiatives, including continuous optimization of wastewater recovery systems, recycling of pure water system wastewater for replenishing cooling towers, and the implementation of wastewater filtration systems to enable the recycling and reuse of grinding wastewater.
5. Actively participate in and implement various low-carbon and carbon reduction initiatives across the industry value chain, such as procuring renewable energy and engaging in government-led carbon reduction programs for the industrial sector.

